

# Recombinant human FGF-23/Fibroblast growth factor 23 Protein

Catalog No.: RP01740 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
human	8074	Q9GZV9

### Tags

C-His

### Synonyms

ADHR; FGFN; HYPF; HFTC2; HPDR2; PHPTC

## Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

### Endotoxin

&lt; 0.1EU/μg

### Formulation

Lyophilized from a 0.22 μm filtered solution of 20mM MOPS□150mM NaCl□5mM EDTA□2mM DTT, pH 7.4

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize freeze-thaw cycles.

## Contact

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## Background

Fibroblast growth factor 23 (FGF23) is an endocrine member of the family of FGFs and mainly produced in the bone and, upon secretion, forms a complex with a FGF receptor and coreceptor αKlotho. FGF23 can exert several endocrine functions, such as acting as a hormone on the kidney, stimulating phosphate excretion and suppressing formation of 1,25(OH)2D3, active vitamin D. Moreover, it has paracrine activities on several cell types, including neutrophils and hepatocytes. FGF23 and phosphate have been revealed to be factors relevant in cancer. FGF23 is particularly significant for those forms of cancer primarily affecting bone (e.g., multiple myeloma) or characterized by bone metastasis.

## Basic Information

### Description

Recombinant human FGF-23/Fibroblast growth factor 23 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Tyr25-Ile251) of human FGF-23/Fibroblast growth factor 23 (Accession #NP\_065689.1) fused with a 6×His tag at the C-terminus.

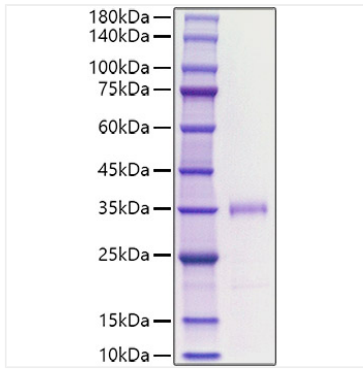
### Bio-Activity

#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Validation Data

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Recombinant human FGF-23/Fibroblast growth factor 23 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 29-34 kDa